

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	2	"4464244".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 10:45
S2	33	(Robert near2 (bruce or "B") near2 grant).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 10:45
S4	359	((organic or hydrocarbon) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode and (solid near2 electrolyte))	USPAT	OR	ON	2007/08/23 10:52
S7	220	205/787.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/23 10:55
S6	2392	204/421-429.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/23 10:55
S9	1208	73/23.31,23.32.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/23 10:56
S8	383	205/783.5-785.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/23 10:56
S10	3639	S6 or S7 or S8 or S9	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/23 10:57
S12	41	S11 and semiconductor	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/23 10:58
S11	220	S10 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/23 10:58
S5	713	((organic or hydrocarbon) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode and (solid near2 electrolyte))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 11:10

## EAST Search History

S13	16	((organic near2 contaminant) or "TOC") near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode and (solid near2 electrolyte))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 11:13
S14	4	((organic near2 contaminant)) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode and (solid near2 electrolyte))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 11:14
S15	7	((hydrocarbon) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode and (solid near2 electrolyte)) and (semiconductor with (manufactur\$4 or process\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 11:21
S17	21	("3400054"   "4138881"   "4322383"   "4377460"   "4378691"   "4391690"   "4395468"   "4490444"   "4728882"   "4729931"   "4810529"   "4898792"   "4902401"   "4983471"   "5047299"   "5082751"   "5137616"   "5143800"   "5169730"   "Re28792").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/23 11:30
S16	10	((hydrocarbon) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode with (platinum or "Pt")) and ((solid near2 electrolyte) with ((yttria near3 zirconia) or (gadolinium near3 ceria))) and (potential adj difference)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 11:45
S18	11	((hydrocarbon or oxygen) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode with ((platinum or "Pt") and reference)) and ((solid near2 electrolyte) with ((yttria near3 zirconia) or (gadolinium near3 ceria))) and (potential adj difference) and (heater and thermocouple)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 13:49
S21	23	((hydrocarbon or oxygen) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode with (reference and (working or sensing or measurement))) and (solid near2 electrolyte) and (potential adj difference) and (heater and thermocouple)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 13:51

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S20	146	((hydrocarbon or oxygen) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode with (reference and (working or sensing or measurement))) and (solid near2 electrolyte) and (potential adj difference) and (heater or thermocouple)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 14:01
S23	2	"5879525".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 14:11
S19	2	"6355151".pn. and (((hydrocarbon or oxygen) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) or (electrode with ((platinum or "Pt") and reference)) or ((solid near2 electrolyte) with ((yttria near3 zirconia) or (gadolinium near3 ceria))) or ((potential or potentiometric) adj difference) or (heater and thermocouple))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 14:14
S24	2	"5879525".pn. and (((hydrocarbon or oxygen) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) or (electrode with ((platinum or "Pt") and reference)) or ((solid near2 electrolyte) with ((yttria near3 zirconia) or (gadolinium near3 ceria))) or ((potential or potentiometric) adj difference) or (heater and thermocouple))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 14:15
S1,	4	("4096048" "5460711" "5814719" "6355151").PN.	USPAT	OR	ON	2007/08/23 16:42
S25	313	((metal near2 (metal adj oxide)) or ("Cu" near2 "Cu.sub.2 O") or ("Cu.sub.2 O" near2 "CuO") or ("Pd" near2 "PdO")) same (reference and (solid or source or component or environment))) and sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 16:51
S26	152	((metal near2 (metal adj oxide)) or ("Cu" near2 "Cu.sub.2 O") or ("Cu.sub.2 O" near2 "CuO") or ("Pd" near2 "PdO")) same (reference with (solid or source or component or environment))) and sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 16:53

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S27	14	((metal near2 (metal adj oxide)) or ("Cu" near2 "Cu.sub.2 O") or ("Cu.sub.2 O" near2 "CuO") or ("Pd" near2 "PdO")) same (reference with (solid and (oxygen near2 (source or component or environment)))) and sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 16:54
S22	24	((hydrocarbon) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode with (reference and (working or sensing or measurement))) and (solid near2 electrolyte) and (potential adj difference) and (heater or thermocouple)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 18:13
S28	8	((hydrocarbon) near5 (detect\$4 or sens\$4 or measur\$5 or monitor\$3 or analyz\$3 or analys\$3)) and (electrode with (reference and (working or sensing or measurement))) and (solid near2 electrolyte) and (potential adj difference) and (heater or thermocouple) and (electrode with (platinum or "Pt")) and ((solid near2 electrolyte) with ((yttria near3 zirconia) or (gadolinium near3 ceria)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 18:55
S30	6	S28 and (pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 18:57
S31	2	S28 and (pressure with control\$4 with pump\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 18:58
S29	4	S28 and (pressure with control\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 18:58
S32	220	205/787.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 10:18

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S33	3	(gas adj sensor) and (solid near2 electrolyte) and electrode and (((voltage or potential) near3 (measur\$5 or determin\$5)) with (before and after))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 10:25
S34	3	(gas adj sensor) and (solid near2 electrolyte) and electrode and (((voltage or potential) near3 difference) with (before and after))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 10:40
S35	5	(gas adj sensor) and (solid near2 electrolyte) and electrode and (((voltage or potential) near3 difference) same (before and after))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 10:46
S36	460	(gas adj sensor) and (solid near2 electrolyte) and electrode and ((voltage or potential) near3 difference)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 10:47
S37	3	(gas adj sensor) and (solid near2 electrolyte) and electrode and (((voltage or potential) near3 difference) with ((presence or present) and (absent or absence)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 10:50
S38	1	(gas adj sensor) and (solid near2 electrolyte) and electrode and (((voltage or potential) near3 (measur\$5 or determin\$5)) with ((presence or present) and (absent or absence)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 10:52
S39	13	(gas adj sensor) and (solid near2 electrolyte) and electrode and (((voltage or potential) near3 (base or background or reference)) with ((presence or present) or (absent or absence)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/24 10:55
S40	1	"4157282".pn.	USPAT	OR	ON	2007/08/24 11:50
S41	9	(background with subtract\$3) with (concentration or voltage)	USPAT	OR	ON	2007/08/24 11:51
S42	11	(background with subtract\$3) with (concentration or voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 12:02

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S43	0	(baseline with subtract\$3) with (concentration or voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 12:03
S44	60	(baseline with subtract\$3) and (concentration or voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 12:04
S45	8	(baseline with subtract\$3) same (concentration or voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 12:12
S46	578	"gas sensor" and ((monitor\$3 or measur\$5 or record\$3) with ((potential or voltage) with difference))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 12:14
S47	256	"gas sensor" and (solid near electrolyte) and ((monitor\$3 or measur\$5 or record\$3) with ((potential or voltage) with difference))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 12:16
S49	1	("5733504").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 12:38
S48	106	((("gas sensor" and hydrocarbon) or "hc sensor" or "hydrocarbon sensor") and (solid near electrolyte) and ((monitor\$3 or measur\$5 or record\$3) with ((potential or voltage) with difference))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 12:38
S50	235	((("HC" or hydrocarbon) with oxygen) with react\$4) and (gas adj sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 14:50
S52	62	S50 and (sensor).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 14:51
S51	62	S50 and (sensor).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/24 14:51
S53	1	((rate near2 flux) near2 oxygen) with control\$4) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 12:56
S55	63	((electric\$3) near2 current) with control\$4) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 13:03
S54	34	((rate) near5 oxygen) with control\$4) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 13:03
S57	82	((between) near2 current) with control\$4) with electrode) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 13:41

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S56	29	(((((electric\$3) near2 current) with control\$4) with electrode) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 13:41
S60	91	S59 not S54	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 13:50
S59	95	S58 not S55	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 13:50
S61	34	S60 and ("HC" or hydrocarbon)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 13:51
S58	109	(((((between) near2 electrode) with control\$4) with current) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 13:57
S62	37	((control\$4 near2 current) with (between near2 electrode)) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 15:14
S64	4	((oxygen near2 trap) or (oxygen with (purifier or getter)) or (((solid adj state) adj oxygen) adj pump)) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 15:40
S63	21	((control\$4 near2 oxygen) with ((reference and (monitor\$3 or measur\$5)) near2 (gas or environment or chamber))) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 16:21
S65	4	((control\$4 near2 pressure) with (((monitor\$3 or measur\$5)) near2 (environment or chamber))) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 16:25
S67	1	((control\$4 near3 pressure) with (((monitor\$3 or measur\$5)) near2 (environment or tube))) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 16:26
S66	1	((control\$4 near2 pressure) with (((monitor\$3 or measur\$5)) near2 (environment or tube))) and sensor and (solid near2 electrolyte) and (reference adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 16:26
S69	1	"6051123".pn. and (oxygen with remov\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 16:38
S68	1	"5889196".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/27 16:38